

CLAIMS

We claim:

1. A method for triggering a mobile station to perform actions, the method comprising:

5 detecting that a mobile station communicating with a first radio network has changed location and thereafter stopped moving; and

in response to detecting that the mobile station has changed location and thereafter stopped moving, performing a predetermined action.

10 2. A computer readable medium having stored therein instructions for causing a processor to execute the method of claim 1.

3. The method of claim 1, wherein detecting that the mobile station has changed location and thereafter stopped moving comprises:

15 detecting that the mobile station has changed location; and

determining that the mobile station has not thereafter changed location again within a predetermined amount of time.

4. The method of claim 1, wherein detecting that the mobile station has
20 changed location and thereafter stopped moving comprises detecting that the mobile station has changed location within a predetermined amount of time.

5. The method of claim 1, wherein the first radio network is a WWAN,
wherein the mobile station communicates with a plurality of base stations in the WWAN,
and wherein detecting that the mobile station has changed location and thereafter stopped
moving comprises detecting that the mobile station is communicating with an additional
5 base station not in the plurality of base stations.

6. The method of claim 1, wherein the first radio network is a WWAN,
wherein the mobile station communicates with a plurality of base stations in the WWAN,
and wherein detecting that the mobile station has changed location and thereafter stopped
10 moving comprises determining that the mobile station is no longer communicating with
one of the base stations in the plurality of base stations.

7. The method of claim 1, wherein the first radio network is a WWAN,
wherein the mobile station communicates with a plurality of base stations in the WWAN,
15 and wherein detecting that the mobile station has changed location and thereafter stopped
moving comprises detecting a handoff of the mobile station between base stations.

8. The method of claim 1, wherein the first radio network is a WWAN,
wherein the mobile station communicates with a plurality of base stations in the WWAN,
20 and wherein detecting that the mobile station has changed location and thereafter stopped
moving comprises detecting a change in relative strengths of pilot signals of base stations
in the plurality of base stations.

9. The method of claim 1, wherein the predetermined action is performing an active power handoff of the mobile station.

10. The method of claim 1, wherein the predetermined action is performing a
5 seamless service handoff of the mobile station.

11. The method of claim 1, wherein the predetermined action is checking for an availability of a second radio network.

10 12. The method of claim 11, wherein checking for the availability of the second radio network comprises:

powering up a second radio in the mobile station, wherein the mobile station uses the second radio to communicate with the second radio network

attempting to establish a connection with the second radio network;

15 successfully establishing the connection with the second radio network;

in response to successfully establishing the connection with the second radio network, terminating a connection with the first radio network; and

powering down a first radio in the mobile station, wherein the mobile station uses the first radio to communicate with the first radio network.

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13. The method of claim 11, wherein the second radio network an IEEE 802.11 network, a HomeRF network, a HiperLAN, and MMDS network or a Bluetooth network.

14. A method for switching between communicating with a WWAN and a wireless network other than a WWAN, the method comprising:

determining that a mobile station has changed location and thereafter stopped
5 moving;

enabling a wireless radio in the mobile station, wherein the mobile station uses the wireless radio to communicate with the wireless network; and

attempting to communicate with the wireless network.

10 15. A computer readable medium having stored therein instructions for causing a processor to execute the method of claim 14.

16. The method of claim 14 further comprising:

establishing a connection with the wireless network other than the WWAN;

15 terminating a connection with the WWAN; and

disabling a WWAN radio in the mobile station, wherein the mobile station uses the WWAN radio to communicate with the WWAN.

17. The method of claim 14, further comprising:

20 failing to establish a connection with the wireless network other than the WWAN;

disabling the wireless network radio in the mobile station;

waiting a predetermined period of time;

re-enabling the wireless network radio in the mobile station; and

re-attempting to establish a connection with the wireless network.

18. The method of claim 13, wherein the WWAN is a CDMA, WCDMA, TDMA or GSM network.

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19. The method of claim 13, wherein the wireless network is an IEEE 802.11 network, a HomeRF network, a HiperLAN, a MMDS network or a Bluetooth network.

20. A mobile station comprising:

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a processor;

a memory;

a first radio for communicating with a first radio network;

logic stored in the memory and executable on the processor to (i) determine that the mobile station has changed location and thereafter stopped moving, and (ii) in response to determining that the mobile station has changed location and thereafter stopped moving, performing a predetermined action.

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21. The mobile station of claim 20, further comprising:

a second radio for communicating with a second radio network; and

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logic stored in the memory and executable on the processor to (i) in response to determining that the mobile station has changed location and thereafter stopped moving, enabling the second radio, and (ii) attempting to communicate with the second radio network using the second radio.

22. The mobile station of claim 21, further including logic stored in the memory and executable by the processor to (i) determine that the mobile station successfully communicated with the second radio network, and (ii) power down the first
5 radio.

23. The mobile station of claim 21, wherein the second radio is a removable wireless radio module.

10 24. The mobile station of claim 21, wherein the first radio network is a WWAN and wherein the second radio network is an IEEE 802.11 network, a HomeRF network, a HiperLAN, a MMDS network or a Bluetooth network.